

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT NO.: 6,959,976 GRANT DATE: November 1, 2005
INVENTOR(S): Nelson, et al. ATTY. DOCKET NO.: 10992847-1
SERIAL NO.: 09/820,427 CONFIRMATION NO.: 5669
FILED: March 28, 2001
TITLE: HOT-MELT SEAL FOR NOZZLES ON PRINT CARTRIDGES AND METHOD

**REQUEST FOR ISSUANCE OF
CERTIFICATE OF CORRECTION**

COMMISSIONER FOR PATENTS
ALEXANDRIA, VA 22313-1450

Sir:

The assignee of the entire interest in the above-identified patent respectfully requests that a Certificate of Correction be issued in accordance with 37 CFR 1.322.

Enclosed herewith is a complete copy of Form PTO 1050 (Rev. 3-82) describing the various errors involved in the above patent. The errors that occurred under Rule 322, appear in Column and Line format.

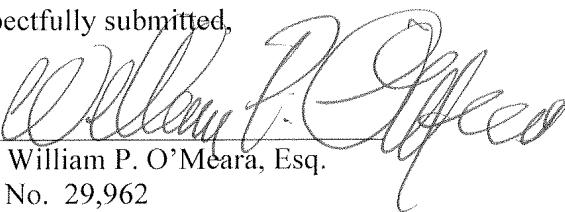
The claims 19-38 added by this Certificate of Correction correspond to claims 26-28 and 30-46 from the amendment mailed August 3, 2004 and entered August 6, 2004. These claims were among the allowed claims indicated in the Notice of Allowability and thus should be printed in the patent.

Issuance of a Certificate of Correction to correct these errors is therefore respectfully requested.

We shall appreciate your returning to us one executed copy of this Certificate of Correction for attachment to our Letters patent.

Respectfully submitted,

By



William P. O'Meara, Esq.

Reg. No. 29,962

Hewlett-Packard Company
Legal Department
P.O. Box 272400 MS 35
Ft. Collins, CO 80528-9599
Ph. No. (970) 898-3886

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INVENTOR(S) : Nelson, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE SPECIFICATION

Column 6, line 2, delete "clock" and insert therefor --block--

IN THE CLAIMS

Claim 1, Column 6, line 55, delete "point" and insert therefor --print--

Please insert the following claims:

19. A print cartridge system, comprising:
 - a print cartridge including nozzles through which ink is jetted;
 - a seal attached to the print cartridge and disposed over the nozzles, the seal being adhesively attached to the print cartridge and forming a moisture impermeable barrier over each nozzle preventing flow of ink and moisture out of each nozzle, wherein the seal comprises a hot melt adhesive layer adhesively attached to the print cartridge and forming a barrier over each nozzle preventing flow of ink out of each nozzle, and the seal further comprises a non-woven base film attached to the hot melt adhesive layer.
20. The print cartridge system of claim 19, wherein the hot melt adhesive layer is moisture retardant and forms a moisture impenetrable barrier over each nozzle preventing flow of ink and moisture out of each of the nozzles.
21. The print cartridge system of claim 20, wherein the hot melt adhesive layer is a moisture retardant synthetic rubber hot melt adhesive layer.
22. The print cartridge system of claim 19, wherein the non-woven base film has crevices and the hot melt adhesive layer includes hot melt adhesive material disposed on the crevices of the non-woven base film.
23. The print cartridge system of claim 19, wherein the non-woven base film is a spunbonded olefin film.

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P.O. Box 272400 MS35
Ft. Collins, Colorado 80528-9599

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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IN THE CLAIMS (Continued)

24. A print cartridge system, comprising:
a print cartridge including nozzles through which ink is jetted;
a seal attached to the print cartridge and disposed over the nozzles, the seal being adhesively attached to the print cartridge and forming a moisture impermeable barrier over each nozzle preventing flow of ink and moisture out of each nozzle, wherein the seal comprises a hot melt adhesive layer adhesively attached to the print cartridge and forming a barrier over each nozzle preventing flow of ink out of each nozzle, and the seal further comprises a moisture retardant base film disposed over the hot melt adhesive layer.
25. The print cartridge system of claim 24, wherein the hot melt adhesive layer is a polyolefin layer.
26. The print cartridge system of claim 24, wherein the hot melt adhesive layer is a synthetic elastomeric material.
27. The print cartridge system of claim 24, wherein the hot melt adhesive layer is an ethyl vinyl acetate (EVA) hot melt adhesive layer.
28. The print cartridge system of claim 24, wherein the moisture retardant base film is adhesively attached to the hot melt adhesive layer.
29. The print cartridge system of claim 24, wherein the base film is a moisture retardant polyolefin film.
30. The print cartridge system of claim 29, wherein the base film is a polypropylene film.
31. The print cartridge system of claim 29, wherein the film is a polyethylene film.

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IN THE CLAIMS (Continued)

32. The print cartridge system of claim 24, wherein the base film is a polyethylene terephthalate film and the hot melt adhesive layer is an ethylene acid copolymer resin coated on the base film.

33. The print cartridge system of claim 24, wherein the base film forms a sealed pouch enclosing the print cartridge.

34. The print cartridge system of claim 24, wherein the base film comprises multiple layers.

35. The print cartridge system of claim 34, wherein the base film comprises a first film layer coated with a second film layer.

36. The print cartridge system of claim 35, wherein the base film comprises a polyethylene terephthalate film coated with an ethylene acid copolymer resin, and the hot melt adhesive layer is an ethyl vinyl acetate (EVA) hot melt adhesive layer.

37. A print cartridge system, comprising:

a print cartridge including nozzles through which ink is jetted;

a seal attached to the print cartridge and disposed over the nozzles, the seal being adhesively attached to the print cartridge and forming a moisture impermeable barrier over each nozzle preventing flow of ink and moisture out of each nozzle;

wherein the print cartridge includes electrical contacts and the seal contacts the electrical contacts and forms a moisture impenetrable barrier over the electrical contacts.

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IN THE CLAIMS (Continued)

38. A print cartridge system, comprising:
a print cartridge including nozzles through which ink is jetted;
a seal attached to the print cartridge and disposed over the nozzles, the seal being adhesively attached to the print cartridge and forming a moisture impermeable barrier over each nozzle preventing flow of ink and moisture out of each nozzle;
wherein the print cartridge includes electrical leads and the seal contacts the electrical leads and forms a moisture impenetrable barrier over the electrical leads.

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